

09323000 SPRING CITY TUNNEL NEAR SPRING CITY, UT (Transmountain diversion)

LOCATION.--Lat 39°25'34", long 111°21'51", in NW¹/₄SW¹/₄SE¹/₄ sec. 16, T. 16 S., R. 5 E., Sanpete County, Hydrologic Unit 14060009, at west portal of tunnel, 11 mi east of Spring City.

PERIOD OF RECORD.--October 1949 to current year. Monthly discharges only for October 1949 to September 1960. Figures of daily discharge available from Salt Lake City District Office, Geological Survey. Seasonal records only since October 1971.

GAGE.--Water-stage recorder. Datum of gage is 9,838 ft above sea level. Prior to Aug. 24, 1960, at datum about 0.3 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Tunnel diverts from Cottonwood Creek drainage in Colorado River Basin to San Pitch River in the Great Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 111 ft³/s July 23, 1965; possibly no flow at times in some years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e.10	e.54	e40	8.0	2.5	1.5
2	---	---	---	---	---	---	e.14	e.60	e38	7.5	2.4	e3.0
3	---	---	---	---	---	---	e.14	e.68	e45	7.0	2.4	e2.1
4	---	---	---	---	---	---	e.16	e.74	e43	6.6	4.8	1.1
5	---	---	---	---	---	---	e.18	e.80	e36	6.2	2.8	1.1
6	---	---	---	---	---	---	e.20	e.86	e36	5.9	2.5	1.2
7	---	---	---	---	---	---	e.20	e.90	e20	5.7	2.4	1.1
8	---	---	---	---	---	---	e.22	e.95	e17	5.4	2.3	2.9
9	---	---	---	---	---	---	e.22	e1.1	e24	5.2	3.7	4.4
10	---	---	---	---	---	---	e.25	e1.5	e29	5.0	3.0	1.8
11	---	---	---	---	---	---	e.27	e2.0	e29	4.8	2.9	1.4
12	---	---	---	---	---	---	e.30	e4.0	e20	4.6	2.9	1.4
13	---	---	---	---	---	---	e.33	e5.6	e15	4.4	2.2	1.5
14	---	---	---	---	---	---	e.33	e7.6	e16	4.1	2.1	1.4
15	---	---	---	---	---	---	e.33	e10	e16	3.9	2.0	2.9
16	---	---	---	---	---	---	e.35	e15	e17	3.8	1.9	1.6
17	---	---	---	---	---	---	e.37	e25	e19	3.7	1.9	1.4
18	---	---	---	---	---	---	e.37	e40	e20	3.6	1.8	4.1
19	---	---	---	---	---	---	e.38	e36	e20	3.6	1.7	e2.2
20	---	---	---	---	---	---	e.39	e33	e19	3.4	1.7	1.8
21	---	---	---	---	---	---	e.41	e30	e17	3.2	1.6	1.5
22	---	---	---	---	---	---	e.44	e29	e15	3.3	1.6	1.7
23	---	---	---	---	---	---	e.44	25	e17	4.5	1.6	2.0
24	---	---	---	---	---	---	e.46	18	13	3.1	1.6	2.0
25	---	---	---	---	---	---	e.47	11	10	2.9	1.5	2.0
26	---	---	---	---	---	---	e.48	9.1	8.5	2.9	1.4	3.1
27	---	---	---	---	---	---	e.48	8.8	7.7	2.8	1.4	2.4
28	---	---	---	---	---	---	e.49	9.3	7.0	3.2	1.3	2.3
29	---	---	---	---	---	---	e.50	13	6.0	2.9	1.3	2.3
30	---	---	---	---	---	---	e.52	16	7.3	2.7	1.3	2.2
31	---	---	---	---	---	---	---	e40	---	2.6	2.0	---
TOTAL	---	---	---	---	---	---	9.92	396.07	627.5	136.5	66.5	61.4
MEAN	---	---	---	---	---	---	.33	12.8	20.9	4.40	2.15	2.05
MAX	---	---	---	---	---	---	.52	40	45	8.0	4.8	4.4
MIN	---	---	---	---	---	---	.10	.54	6.0	2.6	1.3	1.1
AC-FT	---	---	---	---	---	---	20	786	1240	271	132	122

e Estimated